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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size			**Proposed Use**	P.C.C
Sample Location	at Site			**Date of Sampling**	22-05-2019
				Date of Testing	22-05-2019
IS Sieve Size	**Weight Retained in gm**	**Cum. Weight Retained in gm**	**Cumulative Weight Retained in %**	**Cumulative Weight Passing in %**	**Specific Limits as per IS 383-1970 (RA-2007)**
					% of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	82	82	2.73	97.27	95-100
20.00mm	1555	1637	54.57	45.43	30-70
10.00mm	795	2432	81.07	18.93	10-35
4.75mm	481	2913	97.10	2.90	0-5
Pan	87	3000	100.00	0.00	

Remarks : ✓ Satisfactory / Not Satisfactory

Consultant's Representative

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)

SPECIFIC GRAVITY AND WATER ABSORPTION
FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Sand/M sand	**Proposed Use**	PCC
Location/Source	At Plant/site	**Date of Sampling**	22-05-2019
Period of Soaking	24 hours	**Date of Testing**	22-05-2019

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of sturated surface dry sample gm.	674	650	670	
B	Weight of oven - dry sample gm.	664	640	660	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1698	1685	1695	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.645	2.667	2.640	**2.651**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.506	1.563	1.515	**1.528**

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Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)

SIEVE ANALYSIS

Total Weight:	3000	gms			
Type of Material	Fine aggregate (River Sand/M sand)		Proposed Use	PCC	
Sample Location	At Plant/site		Date of Sampling	22-05-2019	
			Date of Testing	22-05-2019	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	212	212	7.07	92.93	90 - 100
2.36 mm	270	482	16.07	83.93	75 - 100
1.18 mm	532	1014	33.80	66.20	55 - 90
0.600 mm	563	1577	52.57	47.43	35 -59
0.300 mm	620	2197	73.23	26.77	8-30
0.150 mm	580	2777	92.57	7.43	0 - 10
Pan	223	3000			-
Remarks :	Satisfactory / Not Satisfactory				

Consultant's Representative

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Test Report on Cement	
Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)
Sample ID	Cement
Date of Sample Tested	22-05-2019
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	40 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	

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Test Report on Cement

	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
	Bruhat Bangalore Mahanagar Palike
	TEJUS CONSULTANTS
	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)
	Cement
	22-05-2019
	Agency

S.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
	a) Initial Setting Time	IS-4031 (Part-5)	37 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	364 Minutes	Not More than 600 Minutes
	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4 mm	Not More than 10 mm
	Standard Consistency	IS-4031 (Part-4)	28.00%	

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Test Report on Cement	
Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)
Sample ID	Cement
Date of Sample Tested	22-05-19
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	42 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	385 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	

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TEST REPORT		
Clients	Bruhat Bangalore Mahanagara Palike	
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Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Concrete	
Sample Location	Plant/site		Date of Sampling	23-05-2019	
			Date of Testing	23-05-2019	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	585	585	5.85	94.15	90-100
10.0	2280	2865	28.65	71.35	40-85
4.75	6700	9565	95.65	4.35	0-10
Pan	435	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT					
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Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	12.5 mm down size		Proposed Use	Concrete	
Sample Location	Plant/site		Date of Sampling	23-05-2019	
			Date of Testing	23-05-2019	
IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	582	582	5.82	94.18	90-100
10.0	2279	2861	28.61	71.39	40-85
4.75	6698	9559	95.59	4.41	0-10
Pan	441	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Project	Park development and Walking Track in Thirumenahalli Lake at Ward No 05 Jakkur	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	At Plant		Date of Sampling	24-05-2019	
			Date of Testing	24-05-2019	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	281	281	2.81	97.19	95 - 100
10.00 mm	5012	5293	52.93	47.07	25 - 55
4.75 mm	4523	9816	98.16	1.84	0 - 10
Pan	184	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Clients	Bruhat Bangalore Mahanagara Palike	
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Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri.T K SHANKARAPPA (MESPC INFRA PROJECTS PRIVATE LIMITED)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size		**Proposed Use**	**Concrete**	
Sample Location	At Plant		**Date of Sampling**	24-05-2019	
			Date of Testing	24-05-2019	
IS Sieve Size	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
40.00 mm	0	0	0	100	**100**
20.00 mm	280	280	2.80	97.20	**95 - 100**
10.00 mm	5000	5280	52.80	47.20	**25 - 55**
4.75 mm	4100	9380	93.80	6.20	**0 - 10**
Pan	620	10000			

Remarks : Satisfactory / Not Satisfactory

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